NAME OF WORK : **Construction Of Synthetic Tennis Court,Street Vending Zone & Other Developmental Works At Judicial Layout Main And Cross Roads, Chikkabommasandra, Someshwara Nagar,Allalasandra Village & Surrounding Areas In Ward No-04 Of Yelahanka Division Under Amruth Nagarothan Grants. (Package No-06)**

Quality Control Reports

Second and Part Bill

(Book No.02)

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2022-09-30-01** **Date: 03-10-22**
Project Name	:	Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)
Agency	:	M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064
Customer Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23
Date of Receipt	:	30-09-22
Sample Type/ Size	:	20mm down size coarse aggregate
Source of Sample	:	Judicial Layout
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	30-09-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : **5000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	285	285	5.7	94.3	90-100
3	10 mm	2815	3100	62.0	38.0	25-55
4	4.75 mm	1623	4723	94.5	5.5	0-10
5	Pan	277	5000	100	0	–

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

CIVIL Pro
Sig.....
Date.....
BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2022-09-30-01** **Date: 03-10-22**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.4	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.6	
3	Specific Gravity	2.67	–
4	Bulk Density(Loose) (Kg/l)	1.54	–
5	Bulk Density(Compacted) (Kg/l)	1.55	–
6	Water Absorption(%)	0.23	–
7	Aggregate crushing Value(%)	24.5	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	23.9	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೦೬

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2022-09-30-01** **Date: 03-10-22**
Project Name	:	Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)
Agency	:	M/s SMLP Asphalts (Pro B B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064
Customer Reference	:	BBMP/EE/YNK D/EPMT-06/W.O/35/2022-23
Date of Receipt	:	30-09-22
Sample Type/ Size	:	12.5mm down size coarse aggregate
Source of Sample	:	Judicial Layout
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	30-09-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : **5000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	20 mm	0	0	0	100	100
2	12.5 mm	196	196	3.9	96.1	90-100
3	10 mm	2189	2385	47.7	52.3	25-55
4	4.75 mm	2245	4630	92.6	7.4	0-10
5	Pan	370	5000	100	0	-

CIVIL Pro Sig Date BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2022-09-30-01 **Date: 03-10-22**
Project Name	:	Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)
Agency	:	M/s SMLP Asphalts (Pro B.B Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W O/35/2022-23
Date of Receipt	:	30-09-22
Sample Type	:	Sagar 53grade
Source of Sample	:	8th Main Allalsandra Village
Reference to BIS codes	:	IS 12269 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11) 1988 IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6
Date of test	:	30-09-22
Environmental Conditions during test	:	Temperature 26°C Humidity 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.25	–
2	Finess by Air permeablity method (m^2/kg,Min)	291.5	225m^2/kg, Min
3	Density (gm/cc)	3.15	–
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	260 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೧೬

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.

K.V.MURTHIK-RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID : CP-2022-09-17-01

Date: 21-10-22

Project Name : Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)

Agency : M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064

Customer's Reference : EE/DD/W.O/84/2021-22

Date of Receipt : 17-10-22

Sample Type /Size : Precast Cover Slab(100mm Thick)

Source of Sample : 8th Main Allalsandra Village

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete

Date of test : 17/10/2022

SL No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	100.03	100.02	1.345	7857	142.4	18.1	16.9	21.1
2	Cover Slab-2	100.01	100.03	1.298	7854	149.9	19.1	17.7	22.2
3	Cover Slab-3	100.00	100.01	1.273	7853	146.7	18.7	17.4	21.7

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-10-20-01**

Date: 26/10/2022

Project Name : Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)

Agency : M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23

Date of Receipt : 20-10-22

Customer ID : Drain Bottom Raft- 8th Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/10/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Raft-8th Main Road	M20	19/10/2022	26/10/2022	150.91 X 151.87 X 151.78	22919	9.048	416.7	18.2	18.2
2	Drain Bottom Raft-8th Main Road	M20	19/10/2022	26/10/2022	149.56 X 151.54 X 151.63	22664	8.695	411.1	18.1	
3	Drain Bottom Raft-8th Main Road	M20	19/10/2022	26/10/2022	150.33 X 149.85 X 150.43	22527	8.467	412.6	18.3	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-10೯

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-10-21-01

Date: 17/11/2022

Project Name : Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)

Agency : M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23

Date of Receipt : 21-10-22

Customer ID : Drain Side Wall- 8th Main Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/11/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall- 8th Main Road	M20	20/10/2022	17/11/2022	151.34 X 149.41 X 150.37	22612	8.986	528.8	23.4	23.1
2	Drain Side Wall- 8th Main Road	M20	20/10/2022	17/11/2022	151.40 X 149.87 X 149.23	22690	8.184	519.4	22.9	
3	Drain Side Wall- 8th Main Road	M20	20/10/2022	17/11/2022	151.20 X 150.54 X 151.34	22760	8.941	527.2	23.2	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 18/11/2022

Lab ID	:	CP-2022-10-22-01
Project Name	:	Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)
Agency	:	M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23
Date of Receipt	:	22-10-22
Customer ID	:	Drain Bottom Raft- 8th Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	18/11/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Raft-8th Main Road	M20	21/10/2022	18/11/2022	150.70 X 150.30 X 149.21	22650	8.232	541.1	23.9	23.5
2	Drain Bottom Raft-8th Main Road	M20	21/10/2022	18/11/2022	149.07 X 150.71 X 151.63	22465	8.818	515.0	22.9	
3	Drain Bottom Raft-8th Main Road	M20	21/10/2022	18/11/2022	150.78 X 149.19 X 150.54	22496	8.308	531.1	23.6	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-೧೦೬

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 19/11/2022

Lab ID	:	CP-2022-10-24-01
Project Name	:	Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)
Agency	:	M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23
Date of Receipt	:	24-10-22
Customer ID	:	Drain Bottom Raft- 8th Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/11/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Bottom Raft-8th Main Road	M20	22/10/2022	19/11/2022	150.37 X 150.53 X 149.37	22635	8.303	524.0	23.1	22.9
2	Drain Bottom Raft-8th Main Road	M20	22/10/2022	19/11/2022	151.06 X 150.92 X 150.00	22798	8.490	504.4	22.1	
3	Drain Bottom Raft-8th Main Road	M20	22/10/2022	19/11/2022	150.21 X 149.49 X 151.46	22455	8.529	524.2	23.3	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/11/2022

Lab ID	:	CP-2022-10-28-01
Project Name	:	Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)
Agency	:	M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23
Date of Receipt	:	28-10-22
Customer ID	:	Drain Side Wall- 8th Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/11/2022

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall- 8th Main Road	M20	26/10/2022	02/11/2022	149.33 X 149.01 X 150.17	22252	8.774	417.6	18.8	18.6
2	Drain Side Wall- 8th Main Road	M20	26/10/2022	02/11/2022	151.49 X 149.89 X 149.68	22706	8.833	413.8	18.2	
3	Drain Side Wall- 8th Main Road	M20	26/10/2022	02/11/2022	151.51 X 150.57 X 149.39	22814	8.312	427.0	18.7	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-10

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 05/11/2022

Lab ID	:	CP-2022-10-31-01
Project Name	:	Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)
Agency	:	M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23
Date of Receipt	:	31-10-22
Customer ID	:	Drain Side Wall - 8th Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	05/11/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall - 8th Main Road	M20	29/10/2022	05/11/2022	149.35 X 151.62 X 151.55	22644	8.245	410.9	18.1	18.4
2	Drain Side Wall - 8th Main Road	M20	29/10/2022	05/11/2022	149.34 X 149.67 X 151.35	22351	8.391	423.4	18.9	
3	Drain Side Wall - 8th Main Road	M20	29/10/2022	05/11/2022	150.46 X 149.49 X 149.17	22491	8.157	405.1	18.0	

* The results obtained are satisfactory as per standard requirements

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 07/11/2022

Lab ID	:	CP-2022-10-31-01
Project Name	:	Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)
Agency	:	M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23
Date of Receipt	:	01-11-22
Customer ID	:	Drain Side Wall-8th Main Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
Date of test	:	06/11/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall-8th Main Road	M20	30/10/2022	06/11/2022	151.20 X 151.90 X 150.10	22967	8.616	419.7	18.3	18.4
2	Drain Side Wall-8th Main Road	M20	30/10/2022	06/11/2022	149.57 X 151.47 X 150.60	22656	8.699	428.7	18.9	
3	Drain Side Wall-8th Main Road	M20	30/10/2022	06/11/2022	150.20 X 150.01 X 149.86	22532	8.399	407.9	18.1	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
| GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 10/11/2022

Lab ID	:	CP-2022-11-04-01
Project Name	:	Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)
Agency	:	M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23
Date of Receipt	:	04-11-22
Customer ID	:	Drain Side Wall - 8th Main Road Allalsandra
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/11/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Side Wall - 8th Main Road Allalsandra	M20	03/11/2022	10/11/2022	151.32 X 149.80 X 150.60	22668	8.643	346.8	15.3	15.2
2	Drain Side Wall - 8th Main Road Allalsandra	M20	03/11/2022	10/11/2022	149.36 X 151.64 X 151.58	22648	8.722	337.5	14.9	
3	Drain Side Wall - 8th Main Road Allalsandra	M20	03/11/2022	10/11/2022	150.33 X 149.08 X 151.53	22411	8.993	345.1	15.4	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ಬೆಂಗಳೂರು-106

FOR CIVIL Pro.

CIVIL Pro Sig Date BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 01/12/2022

Lab ID	:	CP-2022-11-04-01
Project Name	:	Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)
Agency	:	M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23
Date of Receipt	:	04-11-22
Customer ID	:	Culvert Bottom raft- 8th Main Allalsandra
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	01/12/2022

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Bottom raft-8th Main Allalsandra	M20	03/11/2022	01/12/2022	150.19 X 149.53 X 149.93	22457	8.206	512.0	22.8	22.9
2	Culvert Bottom raft-8th Main Allalsandra	M20	03/11/2022	01/12/2022	149.81 X 151.56 X 150.42	22705	8.831	526.8	23.2	
3	Culvert Bottom raft-8th Main Allalsandra	M20	03/11/2022	01/12/2022	149.07 X 150.08 X 151.95	22372	8.748	505.6	22.6	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು,
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2022-11-10-01** **Date: 12-11-22**
Project Name	:	Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)
Agency	:	M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23
Date of Receipt	:	10-11-22
Sample Type	:	40mm down size coarse aggregate
Source of Sample	:	Judicial Layout
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	10-11-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	242	242	1.6	98.4	90-100
3	20 mm	5437	5679	37.9	62.1	30-70
4	10 mm	4339	10018	66.8	33.2	10-35
5	4.75 mm	4649	14667	97.8	2.2	0-5
6	Pan	333	15000	100.0	0	---

CIVIL Pro Sig Date BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2022-11-10-01 Date: 12-11-22

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	9.8	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	10.3	
3	Specific Gravity	2.65	–
4	Bulk Density(Loose) (Kg/l)	1.47	–
5	Bulk Density(Compacted) (Kg/l)	1.52	–
6	Water Absorption(%)	0.23	–
7	Aggregate crushing Value(%)	22.7	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	24.6	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

FOR CIVIL Pro.

CIVIL Pro Sig Date BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER & WASTE WATER | GEOTECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2022-11-10-01**
Project Name	:	Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)
Agency	:	M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23
Date of Receipt	:	10-11-22
Sample Type	:	Sagar 53grade
Source of Sample	:	Judicial Layout
Reference to BIS codes	:	IS 12269 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6
Date of test	:	11-11-22
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Date: 09-12-22

Compressive Strength			
SLNo.	**Physical properties**	**Results**	**Requirement as per IS 12269: 2013**
1	3 Days	29.0N/mm^2	Not less than 27 N/mm^2
2	7 Days	38.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	55.5N/mm^2	Not less than 53 N/mm^2

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-೧೦೬

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Spectro Chemical Analysis, Physical, Non Destructive All Type of Metal Testing

Lab ID : CP-2022-10-11-01

Date: 13-11-22

Project Name : Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)

Agency : M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23

Source of Sample : Judicial Layout

Date of Receipt : 10-11-22

Sample Type / Grade : A-One Gold

Date of test : 10-11-22

CHEMICAL ANALYSIS

Sl. No.	Chemical Contents	8mm	10mm	12mm	Max. Limits as per IS:1786-2008, Gr. Fe 550
1	Carbon (C) %	0.114	0.127	0.152	0.300 Max
2	Phosphor (P) %	0.031	0.034	0.04	0.050 Max
3	Sulphur (S) %	0.037	0.039	0.044	0.055Max
4	Sulphur & Phosphorus %	0.074	0.076	0.081	0.100 Max

Note : The above material confirms to ASI S S 304 with respect to elements analysed

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-10೬

FOR CIVIL Pro.

CIVIL Pro Sig Date BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
| PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2022-11-15-01

Date: 21/11/2022

Project Name : Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)

Agency : M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23

Date of Receipt : 15-11-22

Customer ID : Drain Side Wall - 8th Main Road Allalsandra

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/11/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall - 8th Main Road Allalsandra	M20	14/11/2022	21/11/2022	151.27 X 150.77 X 150.15	22807	8.779	371.8	16.3	16.1
2	Drain Side Wall - 8th Main Road Allalsandra	M20	14/11/2022	21/11/2022	151.54 X 151.43 X 149.06	22948	8.997	394.7	17.2	
3	Drain Side Wall - 8th Main Road Allalsandra	M20	14/11/2022	21/11/2022	149.16 X 150.18 X 151.30	22401	8.364	331.5	14.8	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

CIVIL Pro Sig. Date. BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-11-19-01

Date: 25/11/2022

Project Name : Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)

Agency : M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23

Date of Receipt : 19-11-22

Customer ID : Drain Bottom Raft - 9th Cross Road Judicial Layout

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 25/11/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Raft - 9th Cross Road Judicial Layout	M20	18/11/2022	25/11/2022	149.72 X 150.49 X 150.33	22532	8.717	365.0	16.2	16.0
2	Drain Bottom Raft - 9th Cross Road Judicial Layout	M20	18/11/2022	25/11/2022	149.46 X 149.21 X 151.80	22301	9.094	368.0	16.5	
3	Drain Bottom Raft - 9th Cross Road Judicial Layout	M20	18/11/2022	25/11/2022	151.12 X 150.47 X 149.60	22739	8.723	347.9	15.3	

* The results obtained are satisfactory as per standard requirements

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2022-11-21-01

Date: 17/12/2022

Project Name : Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)

Agency : M/s SMLP Asphalts (Pro B.B. Umesh), No.1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23

Date of Receipt : 21-11-22

Customer ID : Drain Bottom Raft - 11th Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Raft - 11th Cross Road	M20	19/11/2022	17/12/2022	149.98 X 150.51 X 151.87	22573	9.022	548.5	24.3	23.5
2	Drain Bottom Raft - 11th Cross Road	M20	19/11/2022	17/12/2022	149.26 X 151.43 X 151.61	22603	8.216	508.6	22.5	
3	Drain Bottom Raft - 11th Cross Road	M20	19/11/2022	17/12/2022	151.23 X 150.10 X 149.07	22699	8.228	535.7	23.6	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 28/11/2022

Lab ID	:	**CP-2022-11-22-01**
Project Name	:	Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)
Agency	:	M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23
Date of Receipt	:	22-11-22
Customer ID	:	Drain Side Wall- 9th Cross Road Judicial Layout
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	27/11/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Side Wall- 9th Cross Road Judicial Layout	M20	20/11/2022	27/11/2022	151.43 X 151.48 X 150.11	22938	8.110	378.5	16.5	16.1
2	Drain Side Wall- 9th Cross Road Judicial Layout	M20	20/11/2022	27/11/2022	150.59 X 149.49 X 151.94	22512	8.600	355.7	15.8	
3	Drain Side Wall- 9th Cross Road Judicial Layout	M20	20/11/2022	27/11/2022	151.25 X 149.01 X 150.03	22538	8.487	358.3	15.9	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-೧೦೬

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

H KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 18/12/2022

Lab ID	:	CP-2022-11-22-01
Project Name	:	Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)
Agency	:	M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23
Date of Receipt	:	22-11-22
Customer ID	:	Drain Side Wall- 9th Cross Road Judicial Layout
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
Date of test	:	18/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Side Wall- 9th Cross Road Judicial Layout	M20	20/11/2022	18/12/2022	150.37 X 150.53 X 149.37	22635	8.303	524.0	23.1	22.9
2	Drain Side Wall- 9th Cross Road Judicial Layout	M20	20/11/2022	18/12/2022	151.06 X 150.92 X 150.00	22798	8.490	504.4	22.1	
3	Drain Side Wall- 9th Cross Road Judicial Layout	M20	20/11/2022	18/12/2022	150.21 X 149.49 X 151.46	22455	8.529	524.2	23.3	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-10೬

CIVIL Pro Sig. Date. BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-11-22-01

Date: 28/11/2022

Project Name : Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)

Agency : M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23

Date of Receipt : 22-11-22

Customer ID : Drain Side Wall- 11th Cross Road Judicial Layout

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 28/11/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Side Wall-11th Cross Road Judicial Layout	M20	21/11/2022	28/11/2022	149.17 X 149.73 X 151.28	22335	8.883	361.8	16.2	15.1
2	Drain Side Wall-11th Cross Road Judicial Layout	M20	21/11/2022	28/11/2022	151.51 X 151.16 X 151.50	22902	8.445	327.5	14.3	
3	Drain Side Wall-11th Cross Road Judicial Layout	M20	21/11/2022	28/11/2022	150.10 X 151.24 X 150.59	22700	9.003	336.0	14.8	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO

AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-11-22-01 Date: 19/12/2022

Project Name : Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)

Agency : M/s SMLP Asphalts (Pro B.B. Umesh), No:1265, Ground Floor, HIG B Sector, Yelahanka New Town, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23

Date of Receipt : 22-11-22

Customer ID : Drain Side Wall- 11th Cross Road Judicial Layout

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/12/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall-11th Cross Road Judicial Layout	M20	21/11/2022	19/12/2022	151.21 X 149.85 X 151.98	22659	8.433	548.3	24.2	23.5
2	Drain Side Wall-11th Cross Road Judicial Layout	M20	21/11/2022	19/12/2022	149.44 X 149.48 X 150.41	22338	8.409	509.3	22.8	
3	Drain Side Wall-11th Cross Road Judicial Layout	M20	21/11/2022	19/12/2022	149.70 X 151.84 X 151.54	22730	8.389	531.9	23.4	

* The results obtained are satisfactory as per standard requirements.

ನಿಕಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಜ.ಜ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-೬೫

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL/ENVIRONMENTAL WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES